

## Abstract

The present invention has an objective of providing a hybridization reaction method where any one can easily and steadily set up, and where evaporation of a sample solution can be minimized.

A silicone sheet **6** is placed in a hollow **11** of a tray **4**. A cover glass **8** is placed on the sheet **6** according to a guideline **7** marked on the sheet **6**. A sample solution **9** is dropped on the cover glass **8**, on which a slide glass having probe DNA fixed thereon is placed with the fixed probe DNA facing down. The hollow **11** is filled with water to prevent the sample solution from evaporating. The obtained tray/cap unit **2** is inserted into a case **1** and sealed with a locking unit **3**.